PATENT COOPERATION TREATY

PCT Corrected

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REC'D 10 OCT 2002

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

10/019165

Applicant's or agent's file reference 899-55475	FOR FURTHER ACTION See Prelim	Notification of Transmittal of International ninary Examination Report (Form PCT/IPEA/416)		
International application No.	International filing date (day/month/ye	ar) Priority date (day/month/year)		
PCT/US00/17427	22 JUNE 2000	25 JUNE 193 EC EN S		
International Patent Classification (IPC IPC(7): C12N 5/00; A01N 63/00 an) or national classification and IPC d US Cl.: 485/372, 383; 424/93.7	MAR 2 1 2003		
Applicant OREGON HEALTH SCIENCES UN	IVERSITY	TECH CENTER 1000//0000		
Examining Authority and i 2. This REPORT consists of a This report is also accordance to the control of the c	s transmitted to the applicant according total of sheets. In total of sheets. In panied by ANNEXES, i.e., sheets of the he basis for this report and/or sheets contion 607 of the Administrative Instruction.	e description, claims and/or drawings which have taining rectifications made before this Authority.		
These annexes consist of a to	otal of sheets.			
3. This report contains indication	ns relating to the following items:			
I X Basis of the rep	ort			
II Priority				
III Non-establishment of report with regard to novelty, inventive step or industrial applicability				
IV Lack of unity of V X Reasoned stateme		ovelty, inventive step or industrial applicability;		
VI Certain documents cited VII Certain defects in the international application		RECEIVED		
VIII Certain observatio	ns on the international application	MAR 2 1 2003		
		TECH CENTER 1600/2900		
Date of submission of the demand	Date of com	pletion of this report		
12 JANUARY 2001	26 MAR	CH 2001		
Name and mailing address of the IPE	l l	officer While for		
Commissioner of Patents and Trademarks Box POT L. BLAINE LANKFORD				
Washington, D.C. 20231		Telephone No. · (703) 308-1235		
Facsimile No. (703) 305-3230	I resolutione is	o (109) 200-1290		

Form PCT/IPEA/409 (cover sheet) (July 1998)★

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/17427

I. Basis of the report				
1. With res	ard to the elements of the internat	ional application:*		
	international application as			
	description:			
	ges1-24		, as originally filed	
pa	ges NONE			
pa	ges NONE	, filed with the letter of		
	e claims:		, as originally filed	
	Bc3	, as amended (together with any sta		
_	gesges		, filed with the demand	
	ges NONE	, filed with the letter of		
X the	e drawings:			
_	ges 1-4		, as originally filed	
	ges NONE NONE	, filed with the letter of	, filed with the demand	
pa	ges NONE	, filed with the letter of		
X the	e sequence listing part of the de	escription:		
	ges NONE		, as originally filed	
pa	ges <u>NONE</u>		, filed with the demand	
pa	ges NONE	, filed with the letter of		
2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language which is: the language of a translation furnished for the purposes of international search (under Rule 23.1(b)). the language of publication of the international application (under Rule 48.3(b)). the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/ or 55.3).				
3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:				
contained in the international application in printed form.				
file	ed together with the internation	onal application in computer readable form.		
fur	nished subsequently to this A	Authority in written form.		
furnished subsequently to this Authority in computer readable form.				
The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.				
The statement that the information recorded in computer readable form is identical to the writen sequence listing has been furnished.				
4. X The amendments have resulted in the cancellation of:				
X	the description, pages	NONE		
X	the claims, Nos.	NONE		
X	the drawings, sheets/fig	NONE	•	
5. Th	_	ome of) the amendments had not been made, since they h	nave been considered to go	
beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**				
* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).				
**Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.				

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/17427

statement			
Novelty (N)	Claims	1-46	Y
THOVELLY (TY)	Claims	NONE	N
Inventive Step (IS)	Claims	1-46	Y
	Claims	NONE	N
Industrial Applicability (IA)	Claims	1-46	Ү
zadosta irpitodorioj (222)	Claims	NONE	N
Claims 1-46 meet the criteria set out in PCI method for enhancing hematopoiesis by implipatient.	anting a hemat		
 NONE			
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37. The method of claim 1, wherein the vascular tissue is transplanted under the kidney capsule.

38. The method of claim 1, wherein the vascular tissue is transplanted intraperitoneally or subcutaneously.

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- 39. The method of claim 1, wherein the vascular tissue does not form an enclosed lumen.
- 10 40. The method of claim 1, further comprising assaying hematopoiesis in a sample from the subject.
 - 41. The method of claim 11, wherein the vascular tissue is transplanted under the kidney capsule.
 - The method of claim 11, wherein the vascular tissue is transplanted or intraperitoneally or subcutaneously.
 - 43. The method of claim 11, wherein the vascular tissue does not form an enclosed lumen.
 - 44. The method of claim 20, wherein the vascular tissue is at least a portion of an artery or vein.
 - 45. The method of claim 20, wherein the subject is a non-human animal subject.
 - 46. The method of claim 31, wherein the vascular tissue is transplanted under the kidney capsule, intraperitoneally, or subcutaneously.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.





INTERNATIONAL SEARCH REPORT

International application No. PCT/US00/17427

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C12N 5/00; A01N 63/00 US CL : 435/372, 383; 424/93.7			
According t	to International Patent Classification (IPC) or to both	national classification and IPC	
	DS SEARCHED		
	ocumentation searched (classification system followe 435/372, 383; 424/93.7	d by classification symbols)	
Documentat	tion searched other than minimum documentation to the	e extent that such documents are included	in the fields searched
Electronic d EAST	lata base consulted during the international search (n	ame of data base and, where practicable	, search terms used)
C. DOC	UMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
X	US 5,750,397 A (TSUKAMOTO et a document.	al.) 12 May 1998, see entire	26, 34-36
X	US 3,993,078 A (BERGENTZ et al.) 23 November 1976, see entire document.		1-33
Further documents are listed in the continuation of Box C. See patent family annex.			
_	scial estegories of cited documents:	"T" later document published after the inte date and not in conflict with the appl the principle or theory underlying the	ication but cited to understand
	be of particular relevance lier document published on or after the international filing date	"X" document of particular relevance; the	claimed invention cannot be
"L" dos	cument which may throw doubts on priority claim(s) or which is ad to establish the publication date of another citation or other	considered novel or cannot be consider when the document is taken alone	
O do:	comment referring to an oral disclosure, use, exhibition or other	"Y" document of particular relevance; the considered to involve an inventive combined with one or more other such	step when the document is a documents, such combination
"P" doe	document published prior to the international filing date but later than the priority date claimed being obvious to a person skilled in the art document member of the same patent family		
Date of the actual completion of the international search Date of mailing of the international search report			rch report
23 AUGUST 2000 07 SFP 2000			
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Authorized officer L. BLAINE LANKFORD			ice La
	o. (703) 305-3230	Telephone No. (703) 308-1235	

Form PCT/ISA/210 (second sheet) (July 1998)★

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